

**Declaration and Power of Attorney For Patent Application**

特許出願宣言書及び委任状

**Japanese Language Declaration****日本語宣言書**

下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**SEMICONDUCTOR DEVICE AND METHOD  
OF MANUFACTURING THE SAME**上記発明の明細書（下記の欄でx印）がついていない場合は、  
本書に添付）は、the specification of which is attached hereto unless the following  
box is checked:

\_\_\_\_月\_\_\_\_日に提出され、米国出願番号または特許協定条約  
国際出願番号を\_\_\_\_\_とし。  
(該当する場合) \_\_\_\_\_に訂正されました。

was filed on 04/21/99  
as United States Application Number or  
PCT International Application Number  
09/296,042 and was amended on  
\_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、  
内容を理解していることをここに表明します。I hereby state that I have reviewed and understand the contents of  
the above identified specification, including the claims, as  
amended by any amendment referred to above.私は、連邦規則法典第37編第1条56項に定義されると  
おり、特許資格の有無について重要な情報を開示する義務が  
あることを認めます。I acknowledge the duty to disclose information which is material to  
patentability as defined in Title 37, Code of Federal Regulations,  
Section 1.56.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基き下記の、米国以外の国の少なくとも一ヵ国を指定している特許協力条約365条(a)項に基く国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

**Prior Foreign Application(s)**

外国での先行出願

10-131448(Number)  
(番号)Japan(Country)  
(国名)(Number)  
(番号)(Country)  
(国名)

私は、第35編米国法典119条(e)項に基いて下記の米国特許出願規定に記載された権利をここに主張いたします。

(Application No.)  
(出願番号)(Filing Date)  
(出願日)

私は、下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基く権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願提出日以降で本出願の日本国内または特許協力条約国提出日までの期間に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.)  
(出願番号)(Filing Date)  
(出願日)(Application No.)  
(出願番号)(Filing Date)  
(出願日)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

**Priority Not Claimed**

優先権主張なし

April 24, 1998(Day/Month/Year Filed)  
(出願年月日)(Day/Month/Year Filed)  
(出願年月日)

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)  
(出願番号)(Filing Date)  
(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Japanese Language Declaration**  
(日本語宣言書)

委任状： 私は下記の発明者として、本出願に関する一切の手続を米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。（弁護士、または代理人の氏名及び登録番号を明記のこと）

Scott C. Harris Reg. No. 32,030

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

書類送付先  
Scott C. Harris  
FISH & RICHARDSON  
4225 Executive Square, Ste. 1400  
La Jolla, CA 92037

Send Correspondence to:

直接電話連絡先：（名前及び電話番号）  
Scott C. Harris  
(619) 678-5070

Direct Telephone Calls to: (name and telephone number)

唯一または第一発明者名		Full name of sole or first inventor Takeshi FUKADA	
発明者の署名	日付	Investor's signature <i>Takeshi Fukada</i>	Date 06/25/99
住所	Residence Kanagawa, Japan		
国籍	Citizenship Japanese		
私書箱	Post Office Address c/o SEMI CONDUCTOR ENERGY LABORATORY Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japa		
第二共同発明者		Full name of second joint inventor, if any	
第二共同発明者	日付	Second inventor's signature	Date
住所	Residence		
国籍	Citizenship		
私書箱	Post Office Address		

(第三以降の共同発明者についても同様に記載し、署名をすること)  
(Supply similar information and signature for third and subsequent joint inventors.)



SCOTT  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 14, 1999

PTAS

FISH & RICHARDSON P.C.  
SCOTT C. HARIS  
4225 EXECUTIVE SQUARE, SUITE 1400  
LA JOLLA, CA 92037



\*101091099A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/1999

REEL/FRAME: 010087/0482  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FUKADA, TAKESHI

DOC DATE: 06/25/1999

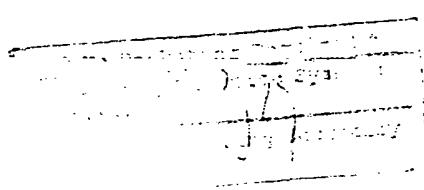
ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY  
CO., LTD.  
398, HASE, ATSUGI-SHI  
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 09296042  
PATENT NUMBER:

FILING DATE: 04/21/1999  
ISSUE DATE:

DOROTHY RILEY, PARALEGAL  
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RE

ney Docket No. 07-977-256001/US3970  
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Assistant Commissioner for Patents: Plea

101091099

1. Name of conveying party(ies):  
**Takeshi Fukada**

Additional name(s) attached?  Yes  No3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

2. Name and address of receiving party(ies):  
**Semiconductor Energy Laboratory Co., Ltd.**  
**398, Hase, Atsugi-shi**  
**Kanagawa-ken 243-0036 Japan**

Additional names/addresses attached?  Yes  No

Execution Date: 06/25/99

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):  
**09/296,042**

B. Patent No.(s):

Additional numbers attached?  Yes  No5. Name/address of party to whom correspondence concerning document should be mailed:

**Scott C. Harris, Reg. No. 32,030**  
**Fish & Richardson P.C.**  
**4225 Executive Square, Suite 1400**  
**La Jolla, CA 92037**

6. Total number of applications/patents involved: **1**7. Total fee (37 CFR 3.41): **\$40**

- Enclosed
- Authorized to charge deposit account

8. Deposit account number: **06-1050**

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached.  
 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

**DO NOT USE THIS SPACE**9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*Scott C. Harris, Reg. No. 32,030

Name of Person Signing

Signature

Date

7/9/99

Total number of pages including cover sheet, attachments, and document: **3**

07/14/1999 DNGUYEN 00000186 09296042

01 FC:581

40.00 BP

Date of Deposit

7-9-99

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Janet Christie  
Janet Christie

FISH & RICHARDSON P.C.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and se:(s) over to:

SEMICONDUCTOR ENERGY LABORATORY Co., Ltd.

having the address:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

Attorney Docket No: 07977/256001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 09/296,042

Filing Date: 04/21/99

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

6/25/99  
Date

Takeshi Fukada.  
Typed Name: Takeshi Fukada

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

<b>CHANGE OF CORRESPONDENCE ADDRESS</b> <i>Application</i> Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	<b>Application Number</b>	New Divisional Application
	<b>Filing Date</b>	September 8, 2003
	<b>First Named Inventor</b>	Takeshi Fukada
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	07977-256002

Please change the Correspondence Address for the above-identified application to:

**Customer Number:** 26171

**Firm or  
Individual Name** John F. Hayden

**Address**

**Address**

**City**

**State**

**Zip**

**Country** United States of America

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This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :

- Applicant/Inventor.
- Assignee of record of the entire interest.  
Certificate under 37 CFR 3.73(b) is enclosed.
- Attorney or agent of record. Registration Number 37,640
- Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number 37,640

Typed or Printed

Name John F. Hayden

Signature

Date

September 8, 2003

Telephone (202) 783-5070

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.